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TITLE: Automobile main-beam headlamp with retractable
infrared filter

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INVENTOR-INFORMATION:

NAME

ALBOU, PIERRE

COUNTRY

N/A

ASSIGNEE-INFORMATION:

NAME

VALEO VISION

COUNTRY

FR

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ABSTRACT:

CHG DATE=19990617 STATUS=O>The headlamp case contains an
ellipsoid reflector
(100), with light source (105) at the inner focus (110).
Reflected light
passes through the outer focus (120), coincident with the
focus (210) of a
paraboloid reflector (200). Normally, the assembly
functions as a main-beam
headlamp. When meeting oncoming traffic, separate
dipped-beam projectors give
direct illumination, while an infrared filter (300) is
rapidly introduced into
the beam concentration near the coincident foci (120/210).
The main-beam

field, thus illuminated without dazzle by infrared, is displayed on an in-car screen by infrared receptors. The filter is raised on a guide rail, into its active position, by a solenoid. The action is opt. horizontal or rotary, with solenoid or motor actuator.